

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Fri Sep 14 12:51:37 EDT 2007

=====

Application No: 10574470

Version No: 2.0

Input Set:

Output Set:

Started: 2007-09-04 16:09:37.150

Finished: 2007-09-04 16:09:39.267

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 117 ms

Total Warnings: 152

Total Errors: 0

No. of SeqIDs Defined: 164

Actual SeqID Count: 164

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)

**Input Set:**

**Output Set:**

**Started:** 2007-09-04 16:09:37.150  
**Finished:** 2007-09-04 16:09:39.267  
**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 117 ms  
**Total Warnings:** 152  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 164  
**Actual SeqID Count:** 164

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> Japan Science and Technology Agency

National Institute of Advanced Industrial Science and Technology

<120> Producing process of plants with sterility, plants produced by the process, and use thereof

<130> A181-08PCT

<140> 10574470

<141> 2007-09-04

<150> JP 2004-2192

<151> 2004-01-07

<150> JP 2004-93796

<151> 2004-03-26

<150> JP 2004-221592

<151> 2004-07-29

<150> JP 2004-231544

<151> 2004-08-06

<160> 164

<170> PatentIn Ver. 2.1

<210> 1

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 1

Asp Leu Asp Leu Asn Leu Ala Pro Pro Met Glu Phe

1 5 10

<210> 2

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 2

Leu Asp Leu Asn Leu Ala Pro Pro Met Glu Phe

1 5 10

<210> 3  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 3  
Leu Asp Leu Asn Leu Ala Ala Ala Ala Ala Ala  
1 5 10

<210> 4  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 4  
Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala  
1 5 10

<210> 5  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 5  
Asp Leu Glu Leu Arg Leu  
1 5

<210> 6  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 6  
Leu Asp Leu Gln Leu Arg Leu Gly Tyr Tyr  
1 5 10

<210> 7  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 7  
Leu Asp Leu Glu Leu Arg Leu  
1 5

<210> 8  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 8  
Leu Asp Leu Glu Leu Ala Ala Ala Ala Ala  
1 5 10

<210> 9  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 9  
Leu Asp Leu Glu Leu Arg Leu Ala Ala Ala  
1 5 10

<210> 10  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 10  
Leu Asp Leu Glu Leu Arg Leu Gly  
1 5

<210> 11  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 11  
Phe Asp Leu Asn Phe Ala Pro Leu Asp Cys Val  
1 5 10

<210> 12  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 12  
Phe Asp Leu Asn Ile Pro Pro Ile Pro Glu Phe  
1 5 10

<210> 13  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 13  
Phe Gln Phe Asp Leu Asn Phe Pro Pro Leu Asp Cys Val  
1 5 10

<210> 14  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 14  
Asp Leu Asp Leu Arg Leu  
1 5

<210> 15

<211> 35  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 15  
Val Gly Pro Thr Val Ser Asp Ser Ser Ser Ala Val Glu Glu Asn Gln  
1 5 10 15  
Tyr Asp Gly Lys Arg Gly Ile Asp Leu Asp Leu Asn Leu Ala Pro Pro  
20 25 30  
Met Glu Phe  
35

<210> 16  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 16  
Asp Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala  
1 5 10

<210> 17  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 17  
Leu Asp Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala  
1 5 10

<210> 18  
<211> 204  
<212> PRT  
<213> Arabidopsis thaliana

<400> 18  
Met Glu Arg Ser Asn Ser Ile Glu Leu Arg Asn Ser Phe Tyr Gly Arg  
1 5 10 15  
Ala Arg Thr Ser Pro Trp Ser Tyr Gly Asp Tyr Asp Asn Cys Gln Gln



20	25	30
Asp His Asp Tyr Leu Leu Gly Phe Ser Trp Pro Pro Arg Ser Tyr Thr		
35	40	45
Cys Ser Phe Cys Lys Arg Glu Phe Arg Ser Ala Gln Ala Leu Gly Gly		
50	55	60
His Met Asn Val His Arg Arg Asp Arg Ala Arg Leu Arg Leu Gln Gln		
65	70	75
Ser Pro Ser Ser Ser Ser Thr Pro Ser Pro Pro Tyr Pro Asn Pro Asn		
85	90	95
Tyr Ser Tyr Ser Thr Met Ala Asn Ser Pro Pro Pro His His Ser Pro		
100	105	110
Leu Thr Leu Phe Pro Thr Leu Ser Pro Pro Ser Ser Pro Arg Tyr Arg		
115	120	125
Ala Gly Leu Ile Arg Ser Leu Ser Pro Lys Ser Lys His Thr Pro Glu		
130	135	140
Asn Ala Cys Lys Thr Lys Lys Ser Ser Leu Leu Val Glu Ala Gly Glu		
145	150	155
Ala Thr Arg Phe Thr Ser Lys Asp Ala Cys Lys Ile Leu Arg Asn Asp		
165	170	175
Glu Ile Ile Ser Leu Glu Leu Glu Ile Gly Leu Ile Asn Glu Ser Glu		
180	185	190
Gln Asp Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala		
195	200	

<210> 19

<211> 30

<212> PRT

<213> Arabidopsis thaliana

<400> 19

Asn Asp Glu Ile Ile Ser Leu Glu Leu Glu Ile Gly Leu Ile Asn Glu
1 5 10 15

Ser Glu Gln Asp Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala
20 25 30

<210> 20

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 20

Asp Leu Asn Leu Arg Leu

1 5

<210> 21

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 21

Asp Leu Asp Leu Arg Leu

1 5

<210> 22

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 22

Asp Leu Gln Leu Arg Leu

1 5

<210> 23

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 23

Asp Leu Arg Leu Arg Leu

1 5

<210> 24

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 24

Glu Leu Glu Leu Arg Leu

1 5

<210> 25

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 25

Asn Leu Glu Leu Arg Leu

1 5

<210> 26

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 26

Gln Leu Glu Leu Arg Leu

1 5

<210> 27

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 27

Asp Leu Glu Leu Asn Leu

1 5

<210> 28

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 28

Asp Leu Glu Leu Gln Leu  
1 5

<210> 29

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 29

Thr Leu Glu Leu Arg Leu  
1 5

<210> 30

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 30

Asp Leu Glu Leu Thr Leu  
1 5

<210> 31

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 31

Ser Leu Glu Leu Arg Leu  
1 5

<210> 32

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 32

Asp Leu Glu Leu Ser Leu

1 5

<210> 33

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 33

Asp Leu Thr Leu Arg Leu

1 5

<210> 34

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 34

Asp Leu Ser Leu Arg Leu

1 5

<210> 35

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 35

Asp Leu His Leu Arg Leu

1 5

<210> 36

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 36

Asp Leu Glu Phe Arg Leu

1 5

<210> 37  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 37  
Asp Phe Glu Leu Arg Leu  
1 5

<210> 38  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 38  
Ser Leu Asp Leu His Leu  
1 5

<210> 39  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 39  
Asp Leu Thr Leu Lys Leu  
1 5

<210> 40  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 40  
Asp Leu Ser Leu Lys Leu  
1 5

<210> 41  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 41  
Leu Asp Leu Asn Leu  
1 5

<210> 42  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 42  
Leu Asp Leu Glu Leu  
1 5

<210> 43  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 43  
Phe Asp Leu Asn Phe  
1 5

<210> 44  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 44  
Phe Asp Leu Asn Ile  
1 5

<210> 45  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 45  
Phe Asp Leu Asn  
1

<210> 46  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 46  
Leu Asp Leu Glu Leu Arg Leu  
1 5

<210> 47  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 47  
Leu Asp Leu Gln Leu Arg Leu  
1 5

<210> 48  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 48  
Leu Asp Leu Asp Leu Arg Leu  
1 5

<210> 49



<211> 8  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 49  
Asp Leu Asp Leu Glu Leu Arg Leu  
1 5

<210> 50  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 50  
Asp Leu Asp Leu Gln Leu Arg Leu  
1 5

<210> 51  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 51  
Asp Leu Asp Leu Asp Leu Arg Leu  
1 5

<210> 52  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 52  
Leu Asp Leu Asp Leu Glu Leu Arg Leu  
1 5

<210> 53  
<211> 9

<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 53  
Leu Asp Leu Asp Leu Gln Leu Arg Leu  
1 5

<210> 54  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 54  
Leu Asp Leu Asp Leu Asp Leu Arg Leu  
1 5

<210> 55  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Amino Acid Sequence

<400> 55  
Asp Leu Gln Leu Arg Leu  
1 5

<210> 56  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized DNA Sequence

<400> 56  
gatcttgatc ttaaccttgc tccacctatg gaattt

36

<210> 57  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized DNA Sequence

<400> 57

aaattccata ggtggagcaa ggtaagatc aagatc